

EEEEEEEEE	DDDDDDDDDD	TTTTTTTTTT
EEEEEEEEE	DDDDDDDDDD	TTTTTTTTTT
EEEEEEEEE	DDDDDDDDDD	TTTTTTTTTT
EEE	DDD	TTT
EEEEEEEEE	DDDDDDDDDD	TTT
EEEEEEEEE	DDDDDDDDDD	TTT
EEEEEEEEE	DDDDDDDDDD	TTT

FILEID**CHMINSMOD

C 15

CCCCCCCC HH HH MM MM IIIII NN NN SSSSSSSS MM MM 000000 DDDDDDDD
CCCCCCCC HH HH MM MM IIIII NN NN SSSSSSSS MM MM 000000 DDDDDDDD
CC HH HH MMMM MMMM II NN NN SS MMMM MMMM 00 00 DD DD
CC HH HH MMMM MMMM II NN NN SS MMMM MMMM 00 00 DD DD
CC HH MM MM MM III NNNN NN SS MM MM 00 00 DD DD
CC HH MM MM MM III NNNN NN SS MM MM 00 00 DD DD
CC HHHHHHHHHHHH MM MM III NN NN SSSSSS MM MM 00 00 DD DD
CC HHHHHHHHHHHH MM MM III NN NN SSSSSS MM MM 00 00 DD DD
CC HH HH MM MM III NN NNNN SS MM MM 00 00 DD DD
CC HH HH MM MM III NN NNNN SS MM MM 00 00 DD DD
CC HH HH MM MM III NN NN SS MM MM 00 00 DD DD
CC HH HH MM MM III NN NN SS MM MM 00 00 DD DD
CCCCCCCC HH HH MM MM IIIII NN NN SSSSSSSS MM MM 000000 DDDDDDDD
CCCCCCCC HH HH MM MM IIIII NN NN SSSSSSSS MM MM 000000 DDDDDDDD

LL IIIII SSSSSSSS
LL IIIII SSSSSSSS
LL II SS
LL II SS
LL II SS
LL II SSSSSS
LL II SSSSSS
LL II SS
LL II SS
LL II SS
LLLLLLLLLL IIIII SSSSSSSS
LLLLLLLLLL IIIII SSSSSSSS

```
0001 0 /*TITLE 'EDT$CHMINSMOD - nokeypad insert mode'
0002 0 MODULE EDT$CHMINSMOD (
0003 0     IDENT = 'V04-000'
0004 0     ) =
0005 1 BEGIN
0006 1 ****
0007 1 *
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0026 1 *
0027 1 *
0028 1 ****
0029 1
0030 1
0031 1 ++
0032 1   FACILITY:   EDT -- The DEC Standard Editor
0033 1
0034 1   ABSTRACT:
0035 1
0036 1     This module implements nokeypad insert mode.
0037 1
0038 1   ENVIRONMENT: Runs at any access mode - AST reentrant
0039 1
0040 1   AUTHOR: Bob Kushlis, CREATION DATE: Unknown
0041 1
0042 1   MODIFIED BY:
0043 1
0044 1     1-001 - Original. DJS 04-Feb-1981. This module was created by
0045 1     extracting routine INSERT MODE from module CHANGE.BLI.
0046 1     1-002 - Regularize headers. JBS 03-Mar-1981
0047 1     1-003 - Add return values. JBS 02-Oct-1981
0048 1     1-004 - Don't allow a bare ESC to terminate a multi-line insert. JBS 17-Aug-1982
0049 1     1-005 - Set the message flag so "I" stays on screen. SMB 17-Aug-1982
0050 1     1-006 - New screen update logic. JBS 13-Sep-1982
0051 1     1-007 - Change the call to screen update and add a LOAD entry point, so this module
0052 1     can be displaced by the screen update modules on the PDP-11. JBS 25-Sep-1982
0053 1     1-008 - Change the screen update call again, to reduce the overlay size on the PDP-11. JBS 27-Sep-1982
0054 1     1-009 - Add a parameter to EDT$SCOMB_LN. JBS 28-Dec-1982
0055 1     --
0056 1
```

```
58      0057 1 %SBTTL 'Declarations'  
59      0058 1  
60      0059 1 | TABLE OF CONTENTS:  
61      0060 1  
62      0061 1  
63      0062 1 REQUIRE 'EDTSRC:TRAROUNAM';  
64      0501 1  
65      0502 1 FORWARD ROUTINE  
66      0503 1     EDT$$INS_MOD,  
67      0504 1     EDT$$LOAD_CHMINSMOD : NOVALUE;          ! Process no-keypad insertion  
68      0505 1          ! Load this module into memory on the PDP-11  
69      0506 1  
70      0507 1 | INCLUDE FILES:  
71      0508 1  
72      0509 1  
73      0510 1 REQUIRE 'EDTSRC:EDTREQ';  
74      0645 1  
75      0646 1  
76      0647 1 | MACROS:  
77      0648 1  
78      0649 1     NONE  
79      0650 1  
80      0651 1 | EQUATED SYMBOLS:  
81      0652 1  
82      0653 1     NONE  
83      0654 1  
84      0655 1 | OWN STORAGE:  
85      0656 1  
86      0657 1     NONE  
87      0658 1  
88      0659 1 | EXTERNAL REFERENCES:  
89      0660 1  
90      0661 1     In the routine
```

```
92      0662 1 %SBTTL 'EDT$INS_MOD - nokeypad insert mode'
93      0663 1
94      0664 1 GLOBAL ROUTINE EDT$INS_MOD                      ! Nokeypad insert mode
95      0665 1 =
96      0666 1
97      0667 1 ++
98      0668 1 FUNCTIONAL DESCRIPTION:
99      0669 1
100     0670 1 This routine implements the no-keypad insert mode. Process insertions
101     0671 1 and the delete character until a CTRL/Z is seen, then return.
102     0672 1
103     0673 1 FORMAL PARAMETERS:
104     0674 1
105     0675 1
106     0676 1
107     0677 1 IMPLICIT INPUTS:
108     0678 1
109     0679 1   EDT$SG_KPAD
110     0680 1   EDT$SG_TI_TYP
111     0681 1   EDT$ST_LN_BUF
112     0682 1   EDT$SA_LN_PTR
113     0683 1
114     0684 1 IMPLICIT OUTPUTS:
115     0685 1
116     0686 1
117     0687 1
118     0688 1 ROUTINE VALUE:
119     0689 1
120     0690 1   1 = ok, 0 = end of journal file
121     0691 1
122     0692 1 SIDE EFFECTS:
123     0693 1
124     0694 1
125     0695 1
126     0696 1 --
127     0697 1
128     0698 2 BEGIN
129     0699 2
130     0700 2 EXTERNAL ROUTINE
131     0701 2   EDT$DEL_CHS : NOVALUE,          ! Delete part of the current line
132     0702 2   EDT$INS_CHS,                ! Insert a string of characters which may include carriage returns
133     0703 2   EDT$COMB_LN : NOVALUE,       ! Combine the current line with the one immediately above it
134     0704 2   EDT$SSC_UPD_NOOVERLAY2 : NOVALUE, ! Update the screen, possibly displacing this module
135     0705 2   EDT$STOP_WRINGMSG,        ! Terminate working AST
136     0706 2   EDT$TI_INPCH;            ! Get a character of input
137     0707 2
138     0708 2 EXTERNAL
139     0709 2   EDT$SG_MSGFLG,           ! Text to stay on screen
140     0710 2   EDT$SG_KPAD,             ! Keypad activated?
141     0711 2   EDT$SG_TI_TYP,          ! Terminal type.
142     0712 2   EDT$ST_LN_BUF,           ! Current line buffer
143     0713 2   EDT$SA_LN_PTR;          ! Current character pointer
144     0714 2
145     0715 2 LOCAL
146     0716 2   C : BYTE;
147     0717 2
148     0718 2 IF ((.EDT$SG_KPAD NEQ 0) OR (.EDT$SG_TI_TYP EQ TERM_HCPY)) THEN RETURN (1);
```

EDT\$CHMINSMOD
V04-000 EDT\$CHMINSMOD - nokeypad insert mode
EDT\$\$INS_MOD - nokeypad insert mode

G 15
16-Sep-1984 00:01:56 VAX-11 Bliss-32 V4.0-742
14-Sep-1984 12:22:36 [EDT.SRC]CHMINSMOD.BLI;1

Page 4
(3)

```
; 149      0719 2
; 150      0720 2    EDT$$STOP_WKINGMSG ();
; 151      0721 2    EDT$$G_MSGFLG = 1;
; 152      0722 2
; 153      0723 2    WHILE 1 DO
; 154      0724 3    BEGIN
; 155      0725 3    EDT$$SC_UPD_NOOVERLAY2 ();
; 156      0726 3
; 157      0727 3    IF (EDT$$TI_INPCH (C) EQL 0) THEN RETURN (0);
; 158      0728 3
; 159      0729 3    IF (.C EQL ASC_K_CTRL_Z) THEN EXITLOOP;
; 160      0730 3
; 161      0731 4    IF (.C EQL ASC_K_DEL)
; 162      0732 3    THEN
; 163      0733 3
; 164      0734 4    IF CH$PTR_EQL (.EDT$$A_LN_PTR, CH$PTR (EDT$$ST_LN_BUF))
; 165      0735 3    THEN
; 166      0736 3    EDT$$COMB_LN (1)
; 167      0737 3    ELSE
; 168      0738 3    EDT$$DEL_CHS (CH$PLUS (.EDT$$A_LN_PTR, -1), .EDT$$A_LN_PTR)
; 169      0739 3
; 170      0740 3    ELSE
; 171      0741 3    EDT$$INS_CHS (C, 1);
; 172      0742 3
; 173      0743 2    END;
; 174      0744 2
; 175      0745 2    EDT$$G_MSGFLG = 0;
; 176      0746 2    RETURN(1);
; 177      0747 1    END; ! of routine EDT$$INS_MOD
```

```
.TITLE EDT$CHMINSMOD EDT$CHMINSMOD - nokeypad insert mode
.IDENT \V04-000\
```

```
.EXTRN EDT$$DEL_CHS, EDT$$INS_CHS
.EXTRN EDT$$COMB_LN, EDT$$SC_UPD_NOOVERLAY2
.EXTRN EDT$$STOP_WKINGMSG
.EXTRN EDT$$TI_INPCH, EDT$$G_MSGFLG
.EXTRN EDT$$G_KPAD, EDT$$G_TI_TYP
.EXTRN EDT$$ST_LN_BUF, EDT$$A_LN_PTR
```

```
.PSECT _EDT$CODE,NOWRT, SHR, PIC,2
```

53 00000000G	00	000C	000000	.ENTRY	EDT\$\$INS_MOD, Save R2,R3	0664
5E 00000000G	04	C2	00009	MOVAB	EDT\$\$G_MSGFLG, R3	
00000000G	00	D5	0000C	SUBL2	#4, SP	0718
	6E	12	00012	TSTL	EDT\$\$G_KPAD	
03 00000000G	00	D1	00014	BNEQ	5\$	
	65	13	0001B	CMPL	EDT\$\$G_TI_TYP, #3	
00000000G	00	FB	0001D	BEQL	5\$	
63	01	D0	00024	CALLS	#0, EDT\$\$STOP_WKINGMSG	0720
00000000G	00	FB	00027	MOVL	#1, EDT\$\$G_MSGFLG	0721
	5E	DD	0002E	CALLS	#0, EDT\$\$SC_UPD_NOOVERLAY2	0725
00000000G	00	01	FB 00030	PUSHL	SP	
	50	D5	00037	CALLS	#1, EDT\$\$TI_INPCH	0727
				TSTL	R0	

EDT\$CHMINSMOD
V04-000EDT\$CHMINSMOD - nokeypad insert mode
EDT\$\$INS_MOD - nokeypad insert mode

H 15

16-Sep-1984 14-Sep-1984 00:01:56 12:22:36

VAX-11 Bliss-32 V4.0-742
[EDT.SRC]CHMINSMOD.BLI;1Page 5
(3)

		4B 13 00039	BEQL 6\$		0729
		6E 91 0003B	CMPB C #26		
		40 13 0003E	BEQL 4\$		
		6E 91 00040	CMPB C #127		
		2C 12 00044	BNEQ 3\$		
		52 00000000G 00	MOVL EDT\$\$A_LN_PTR, R2		0734
		50 00000000G 00	MOVAB EDT\$\$T_LN_BUF, R0		
		50 52 D1 00054	CMPL R2, R0		
		0B 12 00057	BNEQ 2\$		
		01 DD 00059	PUSHL #1		0736
		01 FB 0005B	CALLS #1, EDT\$\$COMB_LN		
		C3 11 00062	BRB 1\$		
		52 DD 00064	2\$: PUSHL R2		0738
		A2 9F 00066	PUSHAB -1(R2)		
		02 FB 00069	CALLS #2, EDT\$\$DEL_CHS		
		B5 11 00070	BRB 1\$		0734
		01 DD 00072	3\$: PUSHAB #1		0741
		AE 9F 00074	PUSHAB C		
		02 FB 00077	CALLS #2, EDT\$\$INS_CHS		
		A7 11 0007E	BRB 1\$		0723
		63 D4 00080	4\$: CLRL EDT\$\$G_MSGFLG		0745
		01 D0 00082	5\$: MOVL #1, R0		0746
		04 00085	RET		
		50 D4 00086	6\$: CLRL R0		0747
		04 00088	RET		

: Routine Size: 137 bytes. Routine Base: _EDT\$CODE + 0000

: 178 0748 1

```
180 0749 1 %SBTTL 'EDT$LOAD_CHMINSMOD - load this module into memory'  
181 0750 1  
182 0751 1 GLOBAL ROUTINE EDT$LOAD_CHMINSMOD ! Load this module into memory  
183 0752 1 : NOVALUE =  
184 0753 1  
185 0754 1 ++  
186 0755 1 FUNCTIONAL DESCRIPTION:  
187 0756 1  
188 0757 1 This is a do-nothing entry point that loads this module back into memory  
189 0758 1 in case it was displaced by the screen update modules.  
190 0759 1  
191 0760 1 FORMAL PARAMETERS:  
192 0761 1  
193 0762 1  
194 0763 1  
195 0764 1 IMPLICIT INPUTS:  
196 0765 1  
197 0766 1  
198 0767 1  
199 0768 1 IMPLICIT OUTPUTS:  
200 0769 1  
201 0770 1  
202 0771 1  
203 0772 1  
204 0773 1  
205 0774 1  
206 0775 1  
207 0776 1  
208 0777 1  
209 0778 1  
210 0779 1  
211 0780 1  
212 0781 1  
213 0782 2  
214 0783 2  
215 0784 1  
--  
BEGIN  
0  
END; ! of routine EDT$LOAD_CHMINSMOD
```

0000 00000
04 00002.ENTRY EDT\$LOAD_CHMINSMOD, Save nothing
.RET: 0751
: 0784

: Routine Size: 3 bytes, Routine Base: _EDT\$CODE + 0089

: 216 0785 1
: 217 0786 1 !<BLF/PAGE>

J 15
EDT\$CHMINSMOD EDT\$CHMINSMOD - nokeypad insert mode 16-Sep-1984 00:01:56 VAX-11 Bliss-32 V4.0-742
VO4-000 EDT\$\$LOAD_CHMINSMOD - load this module into mem 14-Sep-1984 12:22:36 [EDT.SRC]CHMINSMOD.BLI;1
Page 7
219 0787 1 END
220 0788 1 ! of module EDT\$CHMINSMOD
221 0789 0 ELUDOM (5)

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	140	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Total	Symbols	Pages Mapped	Processing Time
	Total	Loaded	Percent	
\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	4	1	00:00.2
\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	00:00.1

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=BLISS:CHMINSMOD/OBJ=OBJ\$:CHMINSMOD MSRC\$:CHMINSMOD.BLI/UPDATE=(ENH\$:CHMINSMOD)

Size: 140 code + 0 data bytes
Run Time: 00:11.9
Elapsed Time: 00:14.8
Lines/CPU Min: 3964
Lexemes/CPU-Min: 10572
Memory Used: 75 pages
Compilation Complete

0131 AH-BT13A-SE
VAX/VMS V4.0

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CHMFINENT LIS	CHMGCOUNT LIS	CHMGINSTR LIS	CHMGSUSTR LIS	CHMINIT LIS	CHMINSMOD LIS
CHMEMESS LIS	CHMGINSTR LIS	CHMGINSTR LIS	CHMGINSTR LIS	CHMINSTAB LIS	CHMINSTAB LIS
CHMENTTRM LIS	CHMGBUF LIS	CHMGINSTR LIS	CHMGINSTR LIS	CHMINDATE LIS	CHMINDSCHR LIS
CHMEXVERB LIS	CHMGINSTR LIS	CHMGOIR LIS	CHMGOISTR LIS	CHMHLPKPD LIS	CHMINSSTR LIS
CHMENDWRD LIS	CHMGOISTR LIS	CHMGOISTR LIS	CHMGOISTR LIS	CHMKEYRD LIS	CHMKEYRD LIS
CHMEXCOM LIS	CHMGOISTR LIS	CHMGOISTR LIS	CHMGOISTR LIS	CHMKEYRD LIS	CHMKEYRD LIS